

**System and Method for Autonomic Extensions to Wake
on Wireless Networks**

ABSTRACT

A system and method for autonomic extensions to wake
5 on LAN are presented. An access point detects wake on LAN
(WOL) requests that are targeted for unassociated clients.
When the access point detects a WOL request for an
unassociated client, the access point stores the WOL
request in a table for a predefined amount of time. A
10 client queries the access point periodically to see if the
access point is storing a WOL request which is targeted for
the client. When the access point receives the query, the
access point compares the client's identifier, such as its
MAC address, with targeted client identifiers corresponding
15 to pending WOL requests. When the access point detects a
match, the access point sends the WOL request to the client
for the client to process.